CSRS SCIENTIFIC SEMINAR N°08-13

Thursday, 7th march 2013 (Norbert Behi Lecture Hall, CSRS, Km 17 Adiopodoumé), 01 : 00 pm

Theme: **Exploring GEONETCast geospatial spectrum of data and products for environmental management and surveillance**

Lazare TIA[1,2]

1. *Centre Suisse de Recherches Scientifiques en Côte d'Ivoire (CSRS) ;*
2. *Institut de Géographie Tropicale (IGT), Université Félix Houphouët-Boigny*

Abstract:

In reaction against threats of global change, the Global Earth Observation System of Systems (GEOSS) was created to provide decision-support tools to a wide variety of users. Spectrum of remotely sensed, in-situ, ocean-based, or surface-based; earth observation data are provided by GEOSS for anticipation and decision-making in varied areas, such as agriculture, climate change, biodiversity, energy management, oceans, atmosphere, land and biosphere human health and epidemiology, natural disasters, weather forecasting and water management, etc. In the framework of the GEOSS, EUMETSAT also provides an evolving range of meteorological and climate monitoring data and products that reflect the needs of the user community. GEONETCast is one component of the GEOSS. It is a near real time, global network of satellite-based data dissemination systems designed to distribute space-based, air-borne and in situ data, metadata and products to diverse communities. It is led by EUMETSAT, the United States, China, and the World Meteorological Organization (WMO). GEONETCast is helped in its task by continental expert networks, such as GeoS-NetAfrica (African Experts Network for Environmental Surveillance). The main purpose of the current exchange session is to present to CSRS researchers the spectrum of geospatial data and products provided by the future GEONETCast reception station being installed *in situ*. From this step, they are expected to contribute to the development of national expert networks and research projects based on geospatial data and products as contributions to global change mitigation.

Keywords:
GEOSS, GEONETCast, GeoS-NetAfrica, geospatial data, environmental surveillance, global change